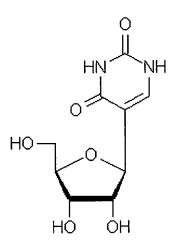
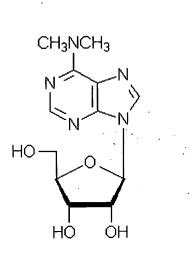
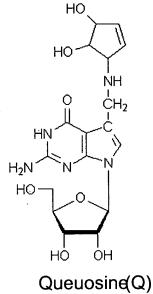
٢



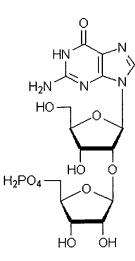
i



N6,N6-dimethyladenosine



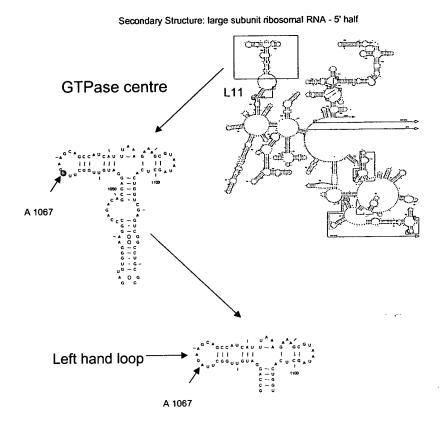
Pseudouridine(Ψ)



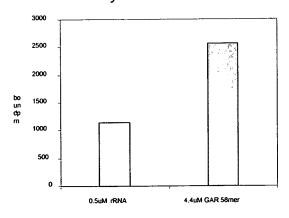
2'-O-methyladenosine

Wybutosine(yW)

2'-O-ribosylguanosine (phosphate)



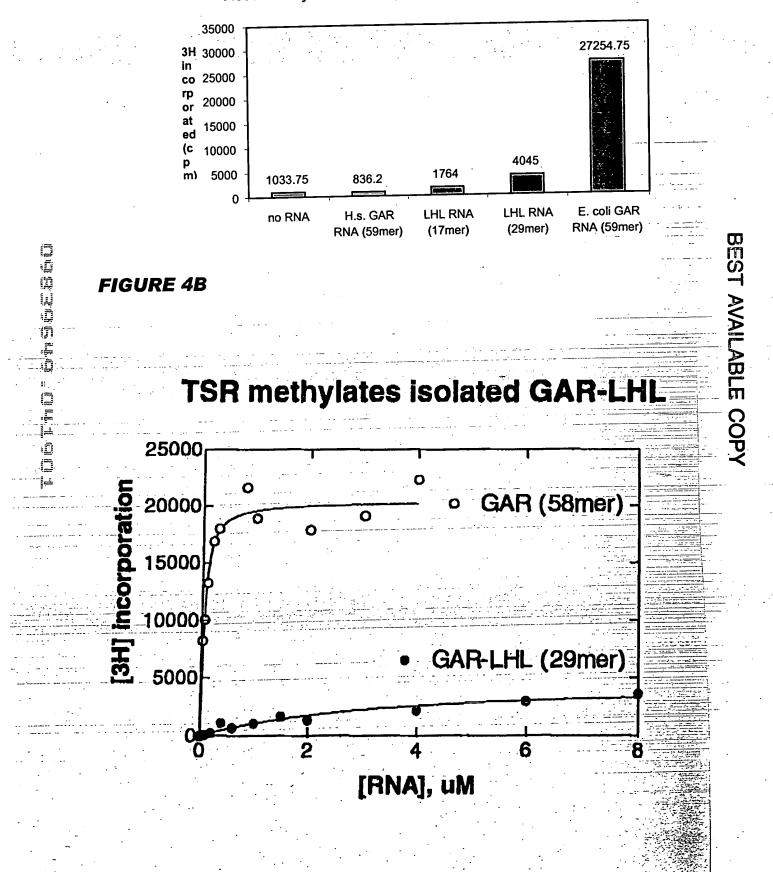
Methylation of 23S rRNA



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FIGURE 4A

Accessibility of the components of the GAR



Binding of L11 by inhibition of methylation

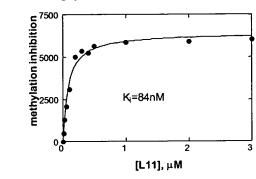
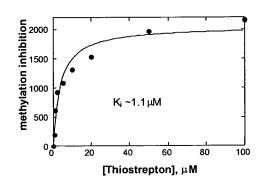
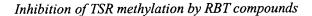


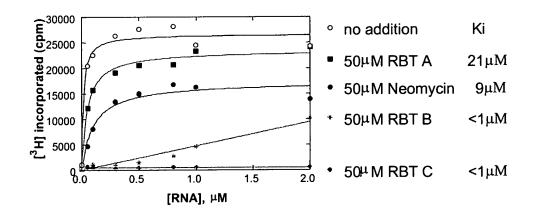
FIGURE 6

Figure 5

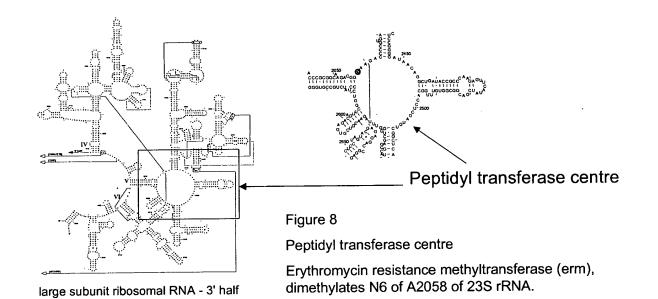
Binding of thiostrepton by inhibition of methylation

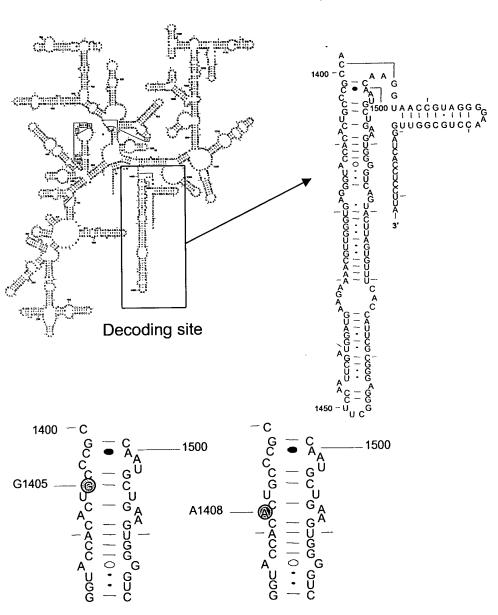






Erythromycin resistance methyltransferase (erm)



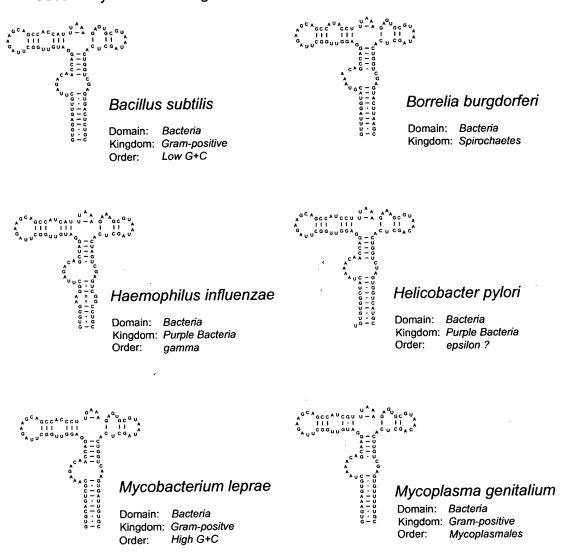




Methylation modifications in the decoding site of 16S rRNA that confer resistance to aminoglycoside antibiotics:

Methyltransferase converts G1405 to 7-methylguanosine Methyltransferase converts A1408 to 1-methyladenosine

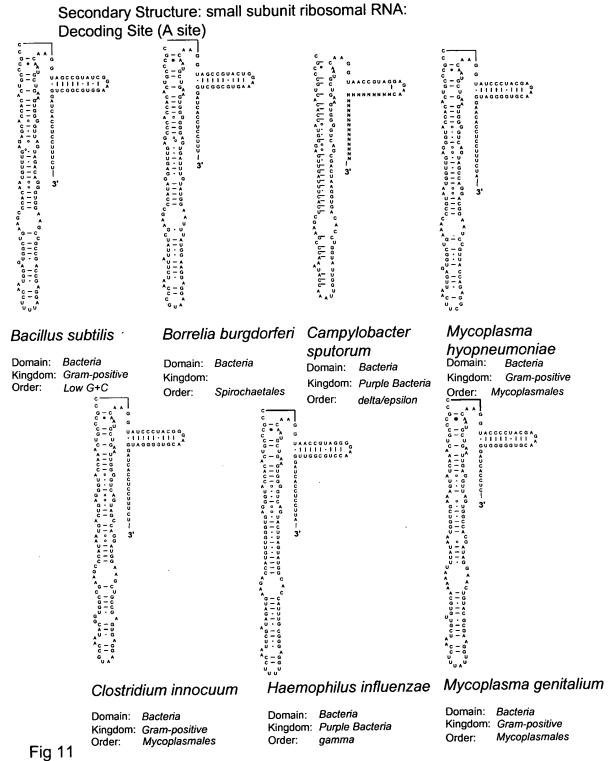
16S rRNA (E.Coli)



Secondary Structure: large subunit ribosomal RNA - 5' half

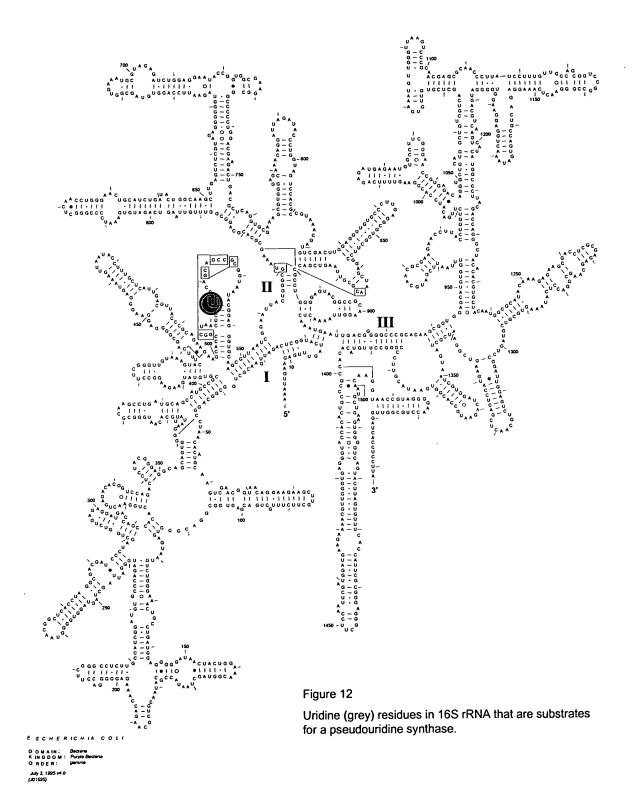
Fig10

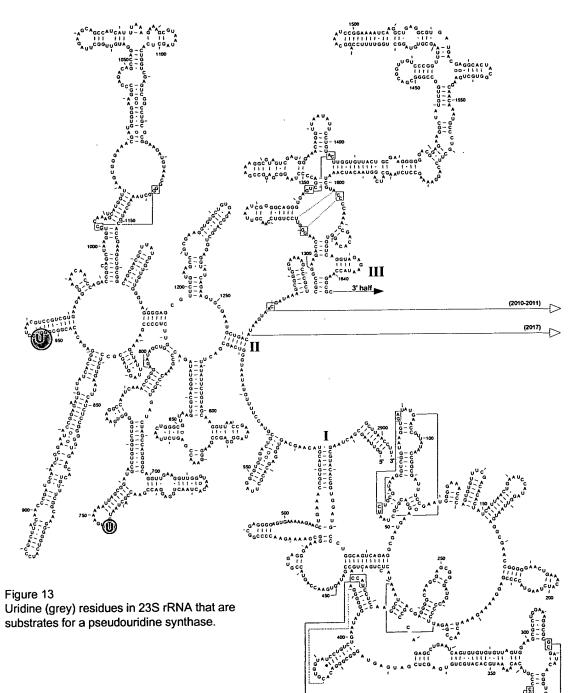
Sites accessible to the thiostrepton resistance methyltransferase In a range of bacteria



The decoding site of 16SrRNA for range of bacteria

Secondary Structure: small subunit ribosomal RNA

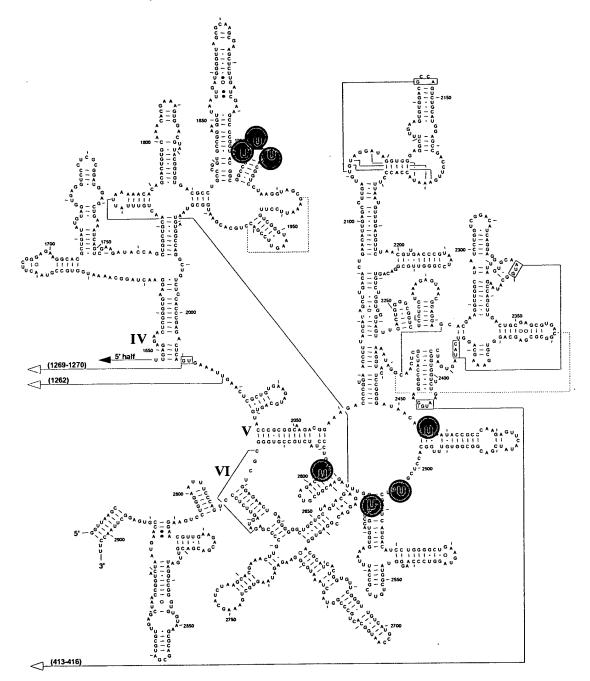




(2407-2410)

Secondary Structure: large subunit ribosomal RNA - 5' half

E SCHERICHIA COLI DOMAIN: Bectere KINGDOM: Purple Bactere ORDER: gennme RELEASE: 23 (December 1994) (J0105)

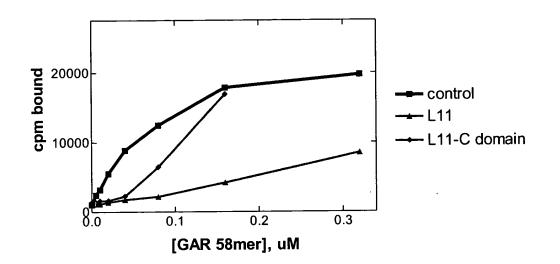


Secondary Structure: large subunit ribosomal RNA - 3' half



Uridine (grey) residues in 23S rRNA that are substrates for a pseudouridine synthase.

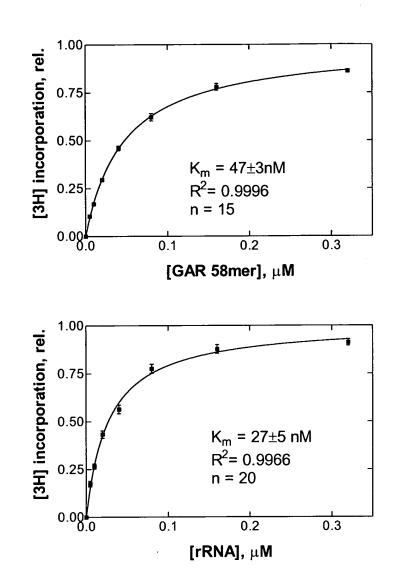
E SCHERICHIA COLI DOMAIN: Becrave KINGDOM: Purple Bacrave ORDER: gemme RELEASE: 21 (December 1994) (J01025)



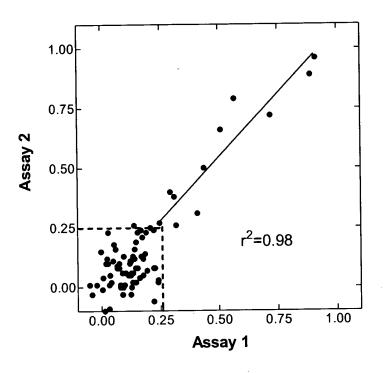
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A

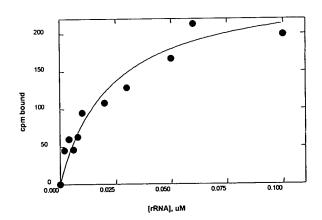
B



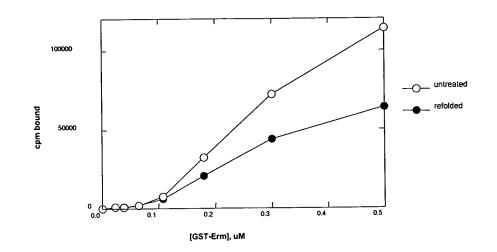
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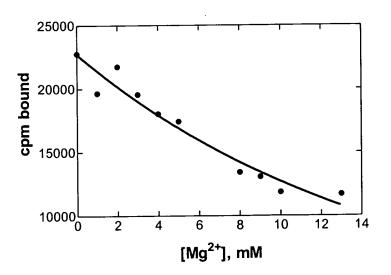


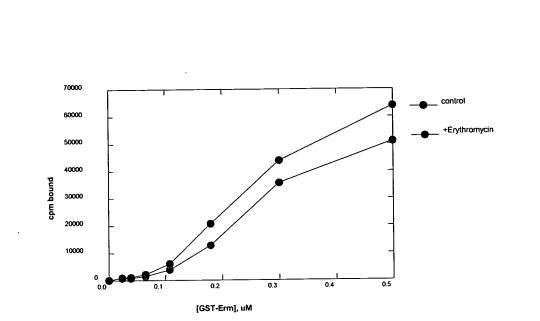




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